

(19)

(11) Publication number: **2000311666 A**

Generated Document.

PATENT ABSTRACTS OF JAPAN(21) Application number: **2000080841**(51) Intl. Cl.: **H01M 2/06 H01M 2/08 H01M 2/26 H01M 2/30 H01M 10/04 H01M 10/40**(22) Application date: **22.03.00**(30) Priority: **22.03.9921.03.00 USUS 99 12563800 532360**(43) Date of application publication: **07.11.00**

(84) Designated contracting states:

(71) Applicant: **THOMAS & BETTS CORP <T&B>**(72) Inventor: **XIE LIKE
ALAMGIR MOHAMED
TAMBURRINO PETER C**

(74) Representative:

**(54) METHOD FOR
IMPROVING
AIRTIGHTNESS BY
PROCESSING
CONNECTING LEAD OF
ELECTROCHEMICAL
BATTERY AND
AIRTIGHTLY SEALED
ELECTROCHEMICAL
BATTERY THEREBY**

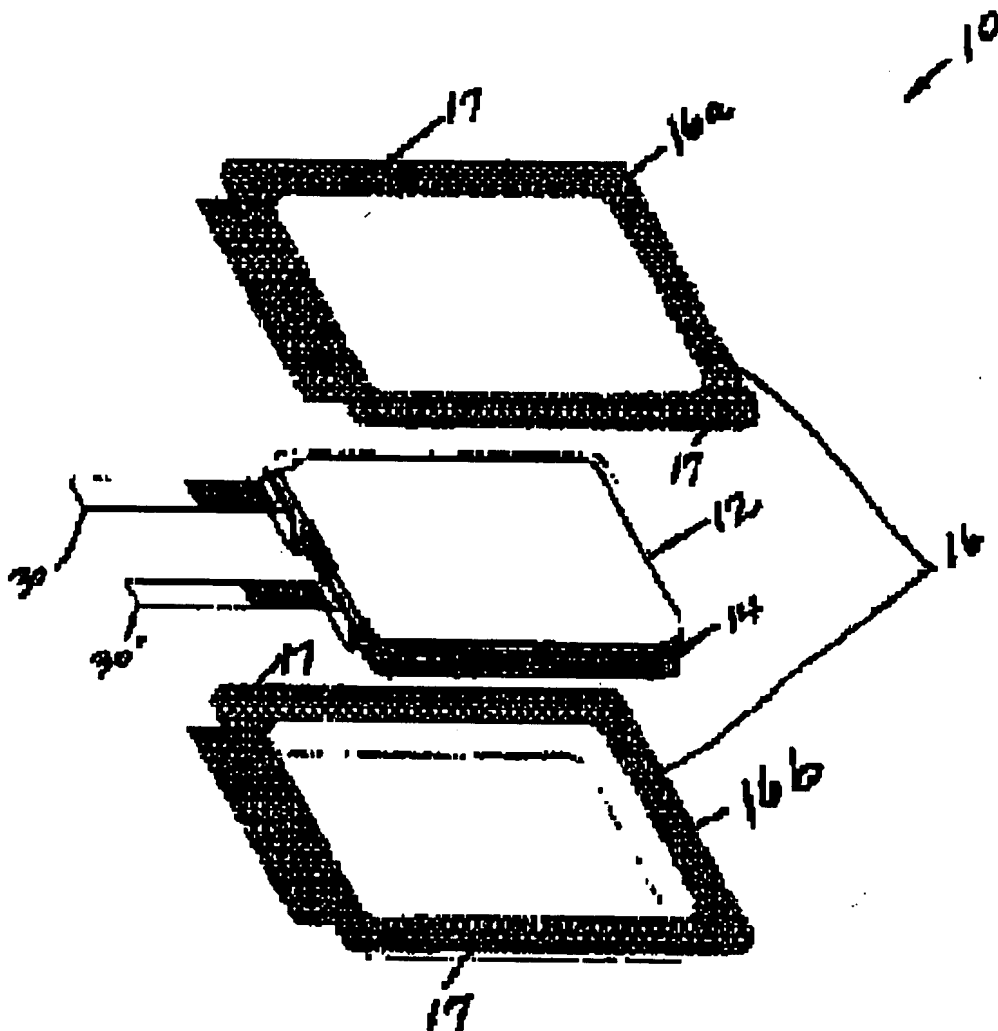
(57) Abstract:

PROBLEM TO BE SOLVED: To secure airtightness and to prevent the deterioration of a battery by coating connecting tabs with a cover made of an airtightly sealing adhesive composition to uniformly cover the connecting tabs, and inserting a battery package so that connecting leads are protruded from a sealing body at sealing positions in the final closure sealing body.

SOLUTION: Tabs 30, 30' serving as connecting leads to a battery 12 having a plurality of bi-cells 14 are made of a metal forming the electric conductive state between the positive

electrode and negative electrode of the battery 12, and their surfaces are covered with a thermally sealable adhesive material for airtight sealing. The covered tabs 30, 30' are welded to corresponding current collectors made of a metal foil. A sealing body 16 is provided with an upper sealing layer 16a and a lower sealing layer 16b located at overlapped positions, and it has a laminated structure for sealing the battery 12 along a sealing rim 17. A completed electrochemical battery assembly 10 is thermally sealed in a final closure sealing body so that the sealed tabs 30, 30' are extended to the outside from the sealing body 16.

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🔍 Title: **JP2000311666A2: METHOD FOR IMPROVING AIRTIGHTNESS BY PROCESSING CONNECTING LEAD OF ELECTROCHEMICAL BATTERY AND AIRTIGHTLY SEALED ELECTROCHEMICAL BATTERY THEREBY**

🔍 Country: **JP Japan**
 🔍 Kind: **A2 Document Laid open to Public inspection**

🔍 Inventor: **XIE LIKE;
 ALAMGIR MOHAMED;
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🔍 Assignee: **THOMAS & BETTS CORP <T&B>**
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🔍 Published / Filed: **Nov. 7, 2000 / March 22, 2000**

🔍 Application Number: **JP20002000080841**

🔍 IPC Code: **[H01M 2/06](#); [H01M 2/08](#); [H01M 2/26](#); [H01M 2/30](#); [H01M 10/04](#); [H01M 10/40](#);**

🔍 Priority Number: **March 21, 2000 [US2000000532360](#)**

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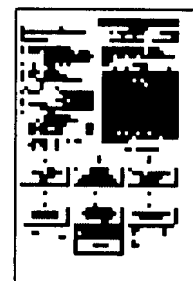
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